

IAD/OSS - 13/66  
13 January 1966

Declass Review by NGA.

MEMORANDUM FOR: Assistant for Plans & Development, NPIC

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ATTENTION :

FROM : Chief, Imagery Analysis Division, CIA

SUBJECT : Request for Development Action--Rapid  
Access Contact Printer

1. The Imagery Analysis Division has a need for a Rapid Access Contact Printer to be used in conjunction with its field support responsibilities to the Central Intelligence Agency.

2. It is requested that action be taken to develop a Rapid Access Contact Printer suitable for field deployment. Desired characteristics are as follows:

- a. Light, durable, with a minimum number of movable parts, and preferably based on a "dry" process.
- b. It should be built into one of the IAD standard fly-away boxes (or be capable of fitting into such a box for shipment). If design limitations dictate, it may be fitted into two of the fly-away boxes. Provision should be made for the internal storage of printing materials.
- c. Operating power requirements--the unit should operate on 60 cycle, 110 volt, current with the capability of being switched to 50 cycle, 220-240 volt current. A set of adapter plugs should be provided to permit plugging into standard wall outlets found in various countries throughout the world; i.e. two pin Continental type, three pin Far Eastern type, etc.
- d. This should be a negative to positive process capable of accepting up to 9x18 inch negatives on a roll format; however, it should not be limited to this one format. It is desired that the unit have the capability of producing either duplicate positives on a film base or paper prints.
- e. Operating environment--the unit should be capable of sustained operations both under a controlled environment, as in [redacted] and in a high temperature, high humidity environment such as that which may be encountered in the Far East.

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f. Performance--the unit should yield contact prints or duplicate positives having a minimum resolution of 400 lines per millimeter, with a D-max of 2.5, and a gamma of 1.25. Printing materials should have a minimum shelf life of six months in the Far East operating environment. The minimum life of the materials after being exposed and processed should be at least one year; however, our ultimate goal would be archival quality.

25X1 3. [ ] Operations Support Staff, IAD, has discussed this need and a possible avenue of development with [ ] It is felt that the Imagery Analysis Division's need for such a device is sufficient to justify a priority effort towards development.

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